

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 6-7-02 state

- A.  Approved by the Draftsperson under 37 CFR 1.84 or 1.152  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p><b>1. DRAWINGS:</b> 37 CFR 1.84(a). Acceptable categories of drawings:      Black ink. Color      _____      Color drawings are not acceptable until permission is granted.      Fig(s) _____      _____      _____  <b>2. PHOTOGRAPHS:</b> 37 CFR 1.84(i)      _____      Full-tone set is required. Fig(s) _____      _____      Photographs may not be mounted. 37 CFR 1.84(c)      _____      Poor quality (half-tone). Fig(s) _____  <b>3. TYPE OF PAPER:</b> 37 CFR 1.84(c)      _____      Paper not flexible, strong, white, and durable.      Fig(s) _____      _____      Erasures, alterations, overwritings, initials, names, titles, etc., machine marks not accepted. Fig(s) _____      _____      Mylar, vellum paper is not acceptable. Fig(s) _____      Fig(s) _____  <b>4. SIZE OF PAPER:</b> 37 CFR 1.84(h). Acceptable sizes:      _____      21.0 cm by 29.7 cm (DIN size A4)      _____      21.0 cm by 27.9 cm (1 1/2 x 1 1/4 inches)      _____      All drawing sheets not in acceptable sizes      Sheet(s) _____      _____      Drawing sheets not in acceptable size. Fig(s) _____  <b>5. MARGINS:</b> 37 CFR 1.84(g). Acceptable margins:      _____      Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.5 cm      SIZE: A4 size      _____      Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.5 cm      SIZE: 8 1/2 x 11      _____      Margins not acceptable. Fig(s) <u>2-3B</u>      _____      Fig(s) _____      Fig(s) _____      Right(R) _____      Bottom(B) _____  <b>6. VIEWS:</b> 37 CFR 1.84(m)</p> <p>REMINDER: Specification may require revision to correspond to drawing changes.</p> <p>Partial views. 37 CFR 1.84(m)(2)      _____      Brackets needed to show figure as one view.      Fig(s) _____      _____      Views not labeled separately or properly.      Fig(s) <u>2</u>      _____      Enlarged view not labeled separately or properly.      Fig(s) _____</p> <p><b>7. SECTIONAL VIEWS:</b> 37 CFR 1.84(m)(5)      _____      Hatching not indicated for sectional portion of the object.      Fig(s) _____      _____      Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p><b>8. ARRANGEMENT OF VIEWS:</b> 37 CFR 1.84(i)      _____      Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p><b>9. SCALE:</b> 37 CFR 1.84(k)      _____      Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.      Fig(s) _____</p> <p><b>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS:</b>  <b>37 CFR 1.84(o)</b>      _____      Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality).      Fig(s) <u>3A 4 1/2</u>  <b>11. SHADING:</b> 37 CFR 1.84(m)      _____      Solid black areas pale. Fig(s) _____      _____      Solid black shading not permitted. Fig(s) _____      _____      Shade lines, pale, rough and blurred. Fig(s) _____</p> <p><b>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS:</b>  <b>37 CFR 1.84(p)</b>      _____      Numbers and reference characters not plain and legible.      Fig(s) <u>1-5</u>      _____      Figure legends are poor. Fig(s) <u>1-5</u>      _____      Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)      Fig(s) _____      _____      English alphabet not used. 37 CFR 1.84(p)(2)      Figs _____      _____      Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)      Fig(s) _____</p> <p><b>13. LEAD LINES:</b> 37 CFR 1.84(q)      _____      Lead lines cross each other. Fig(s) _____      _____      Lead lines missing. Fig(s) _____</p> <p><b>14. NUMBERING OF SHEETS OF DRAWINGS:</b> 37 CFR 1.84(t)      _____      Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p><b>15. NUMBERING OF VIEWS:</b> 37 CFR 1.84(u)      _____      Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p><b>16. CORRECTIONS:</b> 37 CFR 1.84(w)      _____      Corrections not made from prior PTO-948 dated _____</p> <p><b>17. DESIGN DRAWINGS:</b> 37 CFR 1.152      _____      Surface shading shown not appropriate. Fig(s) _____      _____      Solid black shading not used for color contrast.      Fig(s) _____</p>
<b>COMMENTS</b>	

REVIEWER J. CHASE DATE 2-13-02 TELEPHONE NO. 703 305 8430ATTACHMENT TO PAPER NO. 14

## **REMINDER**

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

### **INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

#### **1. Correction of Drawings - 37 CFR 1.85**

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### **\* Timing for Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTO-37).

Failure to take corrective action within set period will result in ABANDONMENT of the Application.

#### **2. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948**

All changes to the drawings, other than defects noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be admitted other than correction of defects, unless the examiner has approved the proposed changes.